

## ABSTRACT

A bubble cycling heat exchanger is disclosed. A closed fluid loop is in contact with a heat absorbing source through a heat conducting block; the loop has a bubble generator, an expanding area for generating bubbles is installed at loop; the loop is also formed with a guide region from which bubbles is easily separable and a radiator; a heat conducting block of the closed loop is connected to a heat absorbing source; since the overheat of the heat absorbing source will cause the loop to generate bubble; by an unequilibrium formed at the guide region of the loop, the bubbles will separate from the heat absorbing source so that the liquid in the loop flows for transferring heat so that heat is radiated by the fins or other elements of the radiator from the primary element of a computer at the heat absorbing source, the loop operates continuously until a heat equilibrium is achieved.